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 Applicant: FUJI PHOTO FILM CO LTD
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Title of invention: THERMAL TRANSFER DYE DONATING MATERIAL

Abstract:

PURPOSE: To improve the fusion at the time of thermal transfer by constituting a dye layer of a dye, a binder and a silicone type compound and controlling the coating amount per a unit area of the silicone type compound so as to increase the same toward a color part becoming later in a transfer order.

CONSTITUTION: A thermal transfer dye donating material is formed by providing a plurality of dye donating layers to one surface of a support and the dye donating layer contains a dye, a binder and a silicone type compound and the coating amount per a unit area of the silicone type compound is increased toward a color part becoming later in a transfer order. For example, in such a case that transfer is carried out in the order of yellow → magenta → cyan, the addition amount of the silicone type compound is set to the relation of cyan dye donating layer > magenta dye donating layer > yellow dye donating layer. When the addition amount of the silicone type compound is increased so as to become 1.1-3 times (wt. basis) that of the silicone type compound of the dye donating layer transferred immediately before,

a good results can be obtained. As the silicone type compound to be used, unmodified or modified silicone oil or a solid silicone polymer soluble in an org. solvent such as toluene is used.

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JP04112085

THERMAL TRANSFER DYE DONATING MATERIAL

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Application No. 02229935, Filed 19900831, Published 19920414

Abstract:

PURPOSE: To improve the fusion at the time of thermal transfer by constituting a dye layer of a dye, a binder and a silicone type compound and controlling the coating amount per a unit area of the silicone type compound so as to increase the same toward a color part becoming later in a transfer order.

CONSTITUTION: A thermal transfer dye donating material is formed by providing a plurality of dye donating layers to one surface of a support and the dye donating layer contains a dye, a binder and a silicone type compound and the coating amount per a unit area of the silicone type compound is increased toward a color part becoming later in a transfer order. For example, in such a case that transfer is carried out in the order of yellow → magenta → cyan, the addition amount of the silicone type compound is set to the relation of cyan dye donating layer > magenta dye donating layer > yellow dye donating layer. When the addition amount of the silicone type compound is increased so as to become 1.1-3 times (wt. basis) that of the silicone type compound of the dye donating layer transferred immediately before, a good results can be obtained. As the silicone type compound to be used, unmodified or modified silicone oil or a solid silicone polymer soluble in an org. solvent such as toluene is used.

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